

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
 Data File : VY022481.D
 Acq On : 30 May 2025 16:15
 Operator : SY/MD
 Sample : Q2173-02
 Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-400-CF-402B-VOC-23

Quant Time: May 31 02:29:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	271397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	490507	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	384908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	121087	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	154575	54.073	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.140%
35) Dibromofluoromethane	7.634	113	149226	51.949	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.900%
50) Toluene-d8	10.103	98	591755	50.533	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.060%
62) 4-Bromofluorobenzene	12.401	95	138637	39.139	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.280%

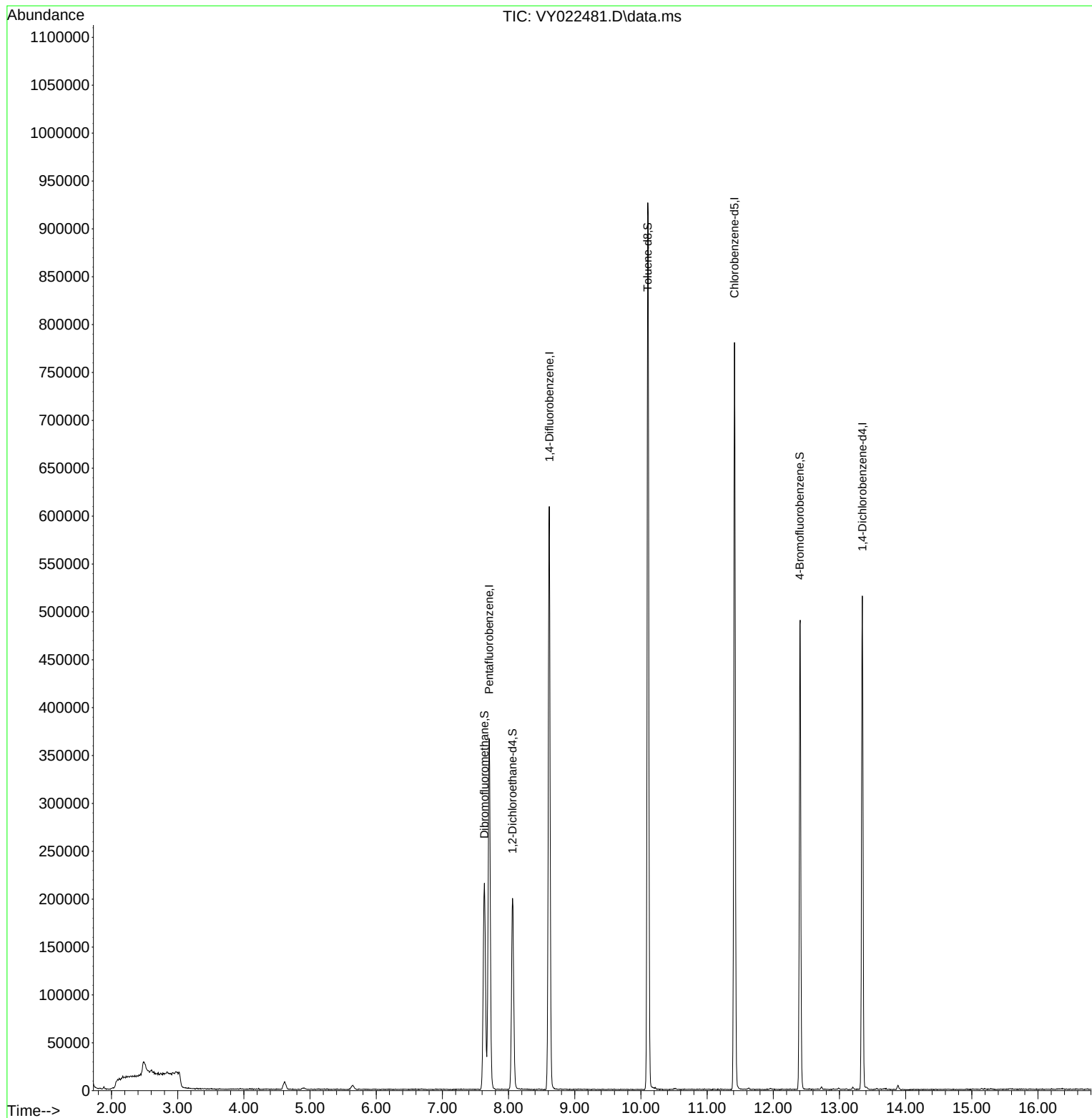
Target Compounds	Qvalue

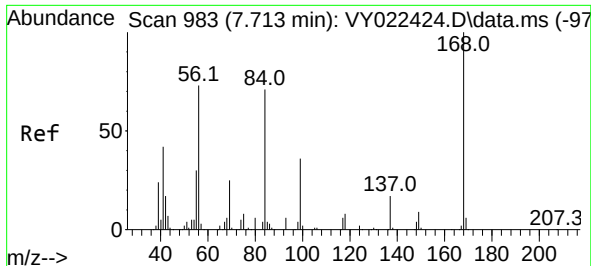
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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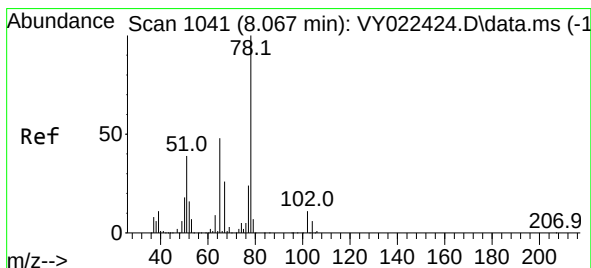
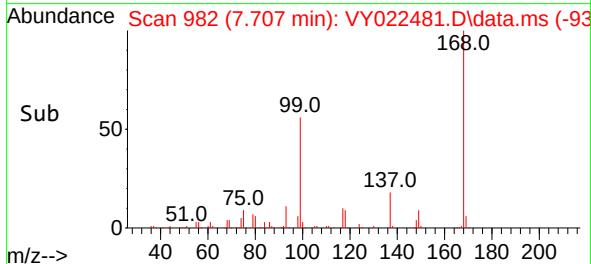
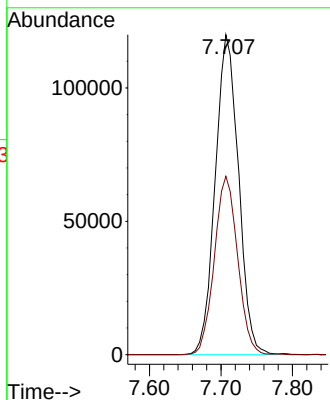
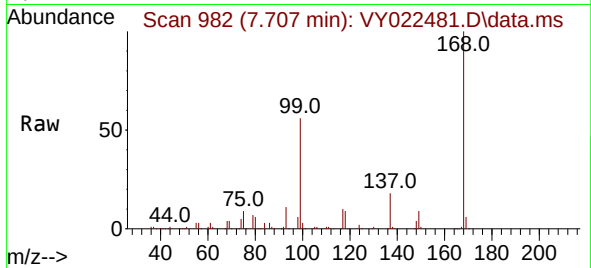




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022481.D
Acq: 30 May 2025 16:15

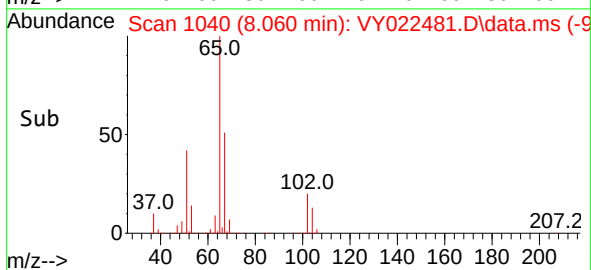
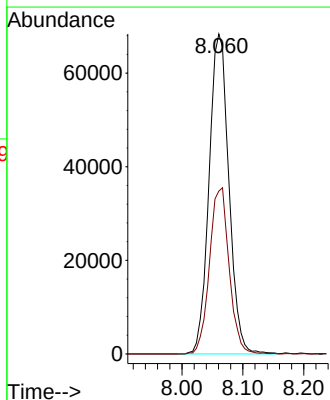
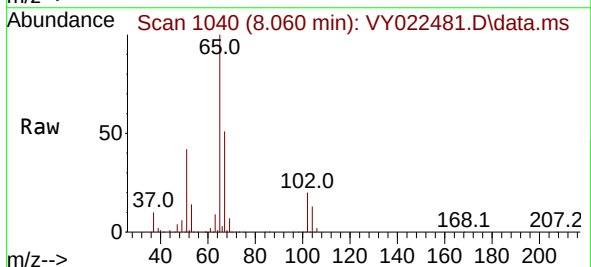
Instrument :
MSVOA_Y
ClientSampleId :
OR-400-CF-402B-VOC-23

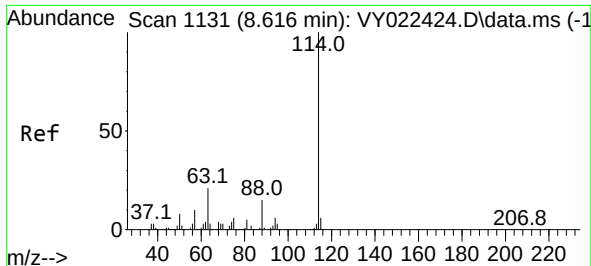
Tgt Ion:168 Resp: 271397
Ion Ratio Lower Upper
168 100
99 55.8 44.7 67.1



#33
1,2-Dichloroethane-d4
Concen: 54.073 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022481.D
Acq: 30 May 2025 16:15

Tgt Ion: 65 Resp: 154575
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022481.D

Acq: 30 May 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

OR-400-CF-402B-VOC-23

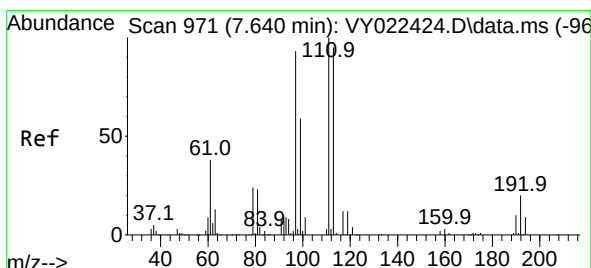
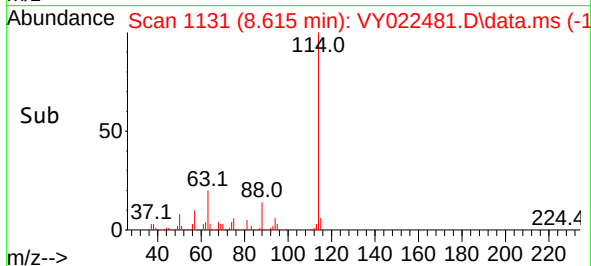
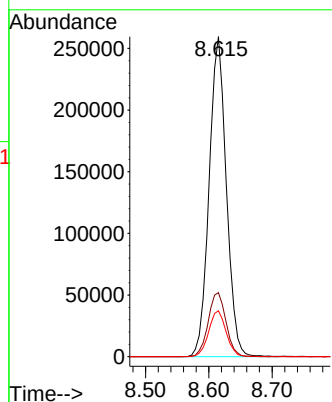
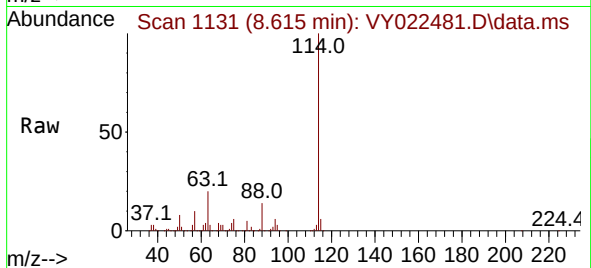
Tgt Ion:114 Resp: 490507

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

88 14.4 0.0 29.4



#35

Dibromofluoromethane

Concen: 51.949 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022481.D

Acq: 30 May 2025 16:15

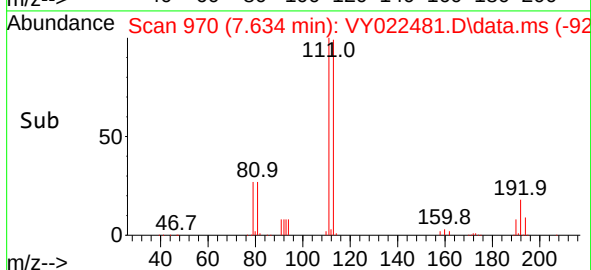
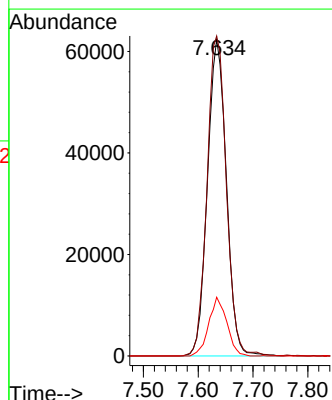
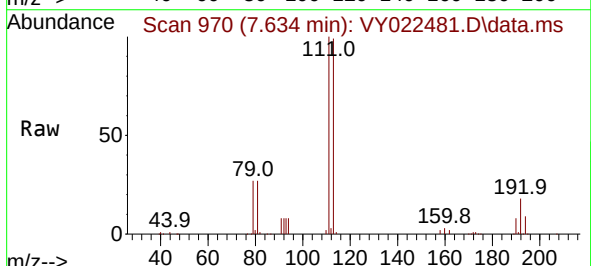
Tgt Ion:113 Resp: 149226

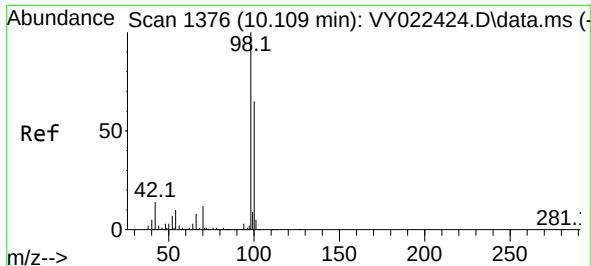
Ion Ratio Lower Upper

113 100

111 103.1 82.4 123.6

192 17.7 15.2 22.8

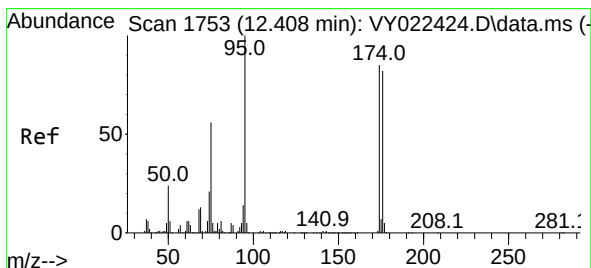
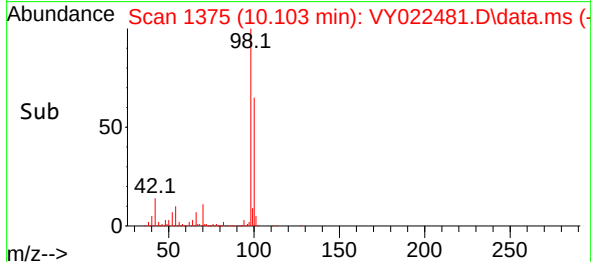
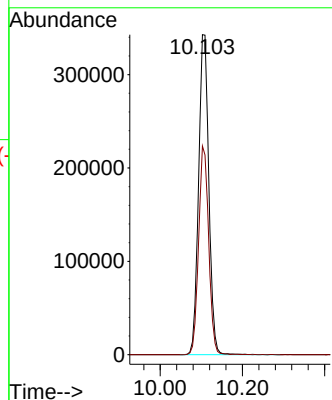
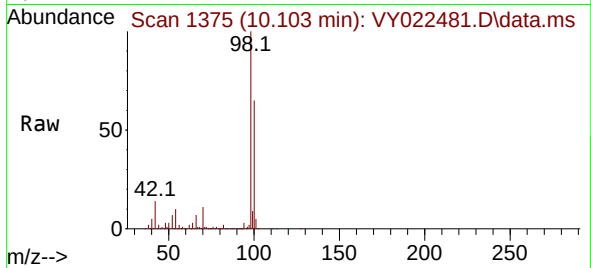




#50
Toluene-d8
Concen: 50.533 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022481.D
Acq: 30 May 2025 16:15

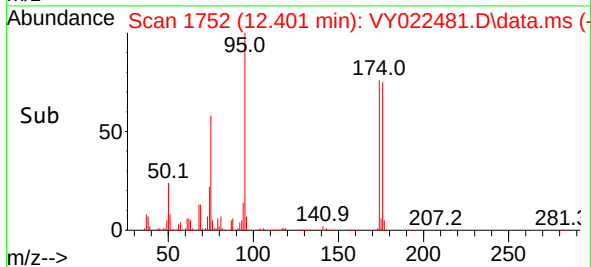
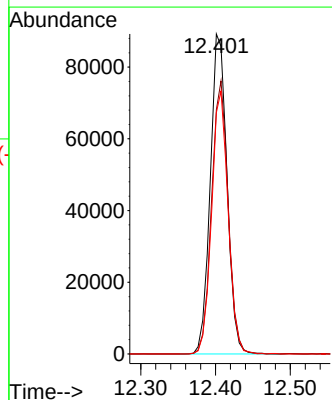
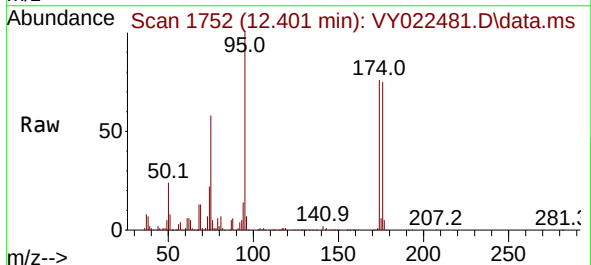
Instrument :
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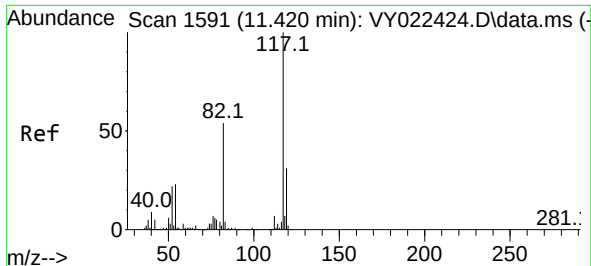
Tgt Ion: 98 Resp: 591755
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 39.139 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022481.D
Acq: 30 May 2025 16:15

Tgt Ion: 95 Resp: 138637
Ion Ratio Lower Upper
95 100
174 84.9 0.0 171.6
176 80.7 0.0 164.6

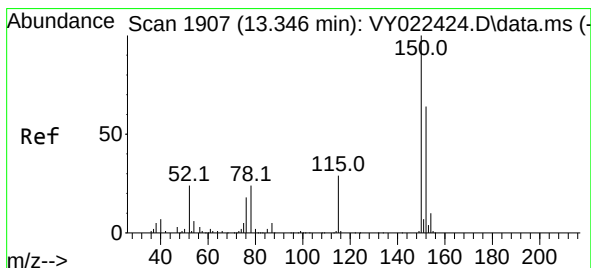
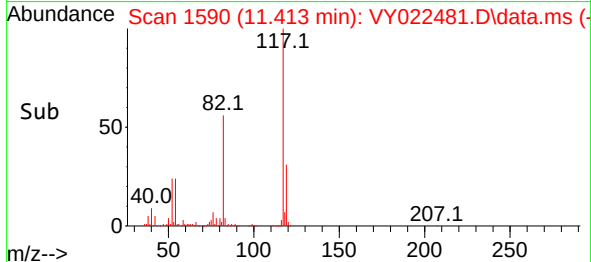
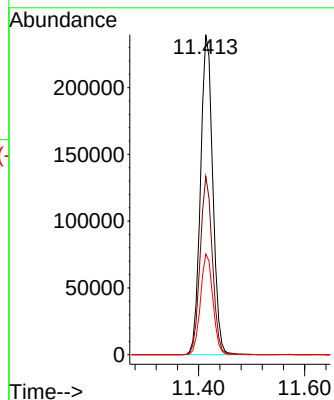
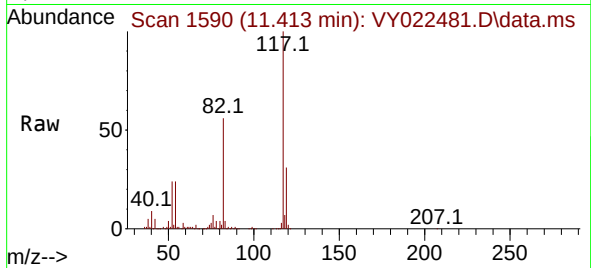




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022481.D
Acq: 30 May 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
OR-400-CF-402B-VOC-23

Tgt Ion:117 Resp: 384908
Ion Ratio Lower Upper
117 100
82 55.7 43.3 64.9
119 31.4 24.5 36.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022481.D
Acq: 30 May 2025 16:15

Tgt Ion:152 Resp: 121087
Ion Ratio Lower Upper
152 100
115 57.5 28.4 85.3
150 156.3 0.0 345.8

